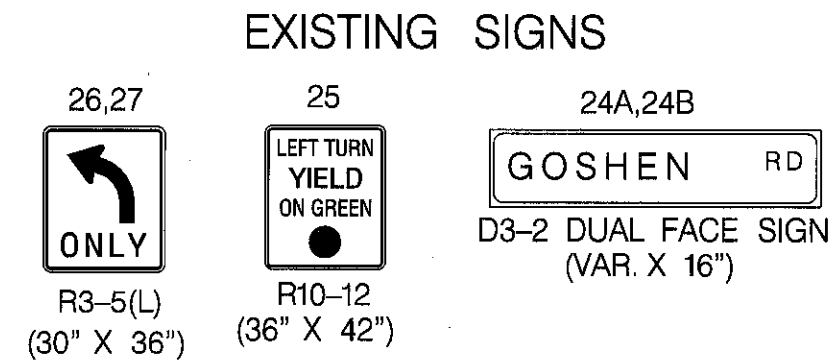
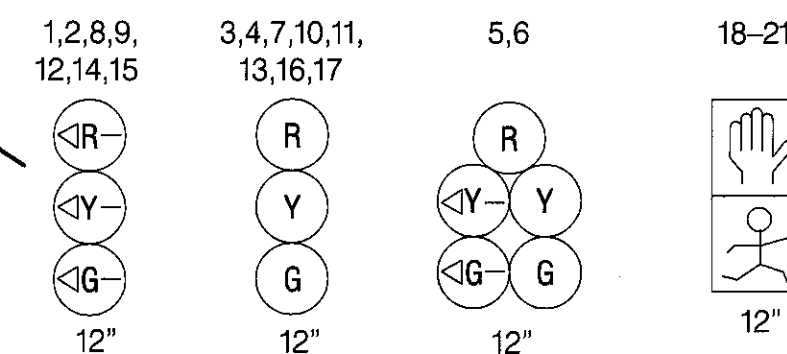




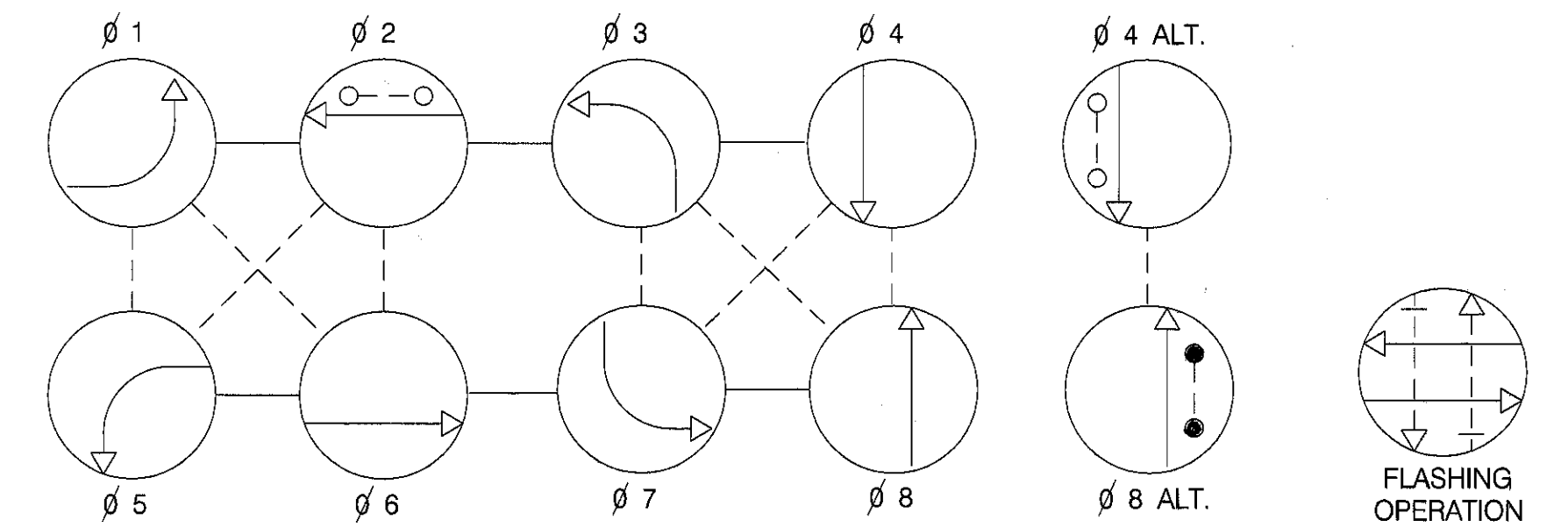
MD 124 IS ASSUMED TO RUN  
IN AN EAST-WEST DIRECTION



**EXISTING SIGNALS**

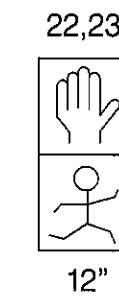


**NEMA PHASING**



**PHASING NOTES:**  
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.  
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

**PROPOSED SIGNALS**



PROPOSED VIDEO  
DETECTION CAMERA

RIGHT OF WAY LINE

MD 124

MD 124

**CONSTRUCTION DETAILS**

- A. INSTALL 15 FT. STREET LIGHTING ARM WITH VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE  
B. INSTALL MICRO-LOOP PROBE WITH 500 FT. LEAD-IN  
C. INSTALL 1 IN. GALVANIZED STEEL CONDUIT FOR DETECTOR SLEEVE  
D. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, AND SIGN  
(NOTE: INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND)  
E. INSTALL 2 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)  
F. INSTALL ELECTRICAL HANDHOLE  
G. INSTALL 2 IN. 90 DEGREE PVC CONDUIT BEND INTO POLE FOUNDATION  
H. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING  
I. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING  
J. USE EXISTING HANDHOLE  
K. USE EXISTING CONDUIT  
L. USE EXISTING STRAIN POLE  
M. USE EXISTING SPAN WIRE  
N. REMOVE EXISTING SIGNAL CONTROLLER AND CABINET AND INSTALL NEW CONTROLLER AND CABINET  
WITH 1-4 IN. CONDUIT BEND (SEE GENERAL NOTE NUMBER 6 FOR DETAILS)  
P. REMOVE EXISTING PAVEMENT MARKINGS  
Q. ADJUST EXISTING HANDHOLE TO FINAL GRADE  
R. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT (BORED)  
S. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT (TRENCHED)  
T. INSTALL 4 IN. CONDUIT BEND INTO POLE FOUNDATION  
U. VIDEO DETECTION IMAGE ZONE

RIGHT OF WAY LINE

EXISTING GEOMETRICS  
PROPOSED GEOMETRICS

GOSHEN ROAD

**GENERAL NOTES**

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.  
2. PAVEMENT MARKINGS NOT DETAILED ON THIS PLAN ARE TO BE INSTALLED BY OTHERS.  
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.  
4. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 816.02, AND MD 816.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.  
5. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.  
6. MONTGOMERY COUNTY WILL SUPPLY THE CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. THE CONTRACTOR SHALL CONTACT THE MONTGOMERY COUNTY SIGNAL SHOP FOR CONTROLLER PREPARATION AND TO SCHEDULE RETROFITTING OF EQUIPMENT AS WELL AS MR. MIKE KINNEY OF MONT. CO. D.P.W. AT (240) 777-8780 FOR RED LIGHT CAMERA EQUIPMENT RELOCATION 3 WEEKS PRIOR TO SCHEDULED SIGNAL WORK.  
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.  
8. THE CONTRACTOR SHALL ABANDON ALL LOOP DETECTORS FOR NORTHBOUND GOSHEN ROAD AND REMOVE ALL WIRING FROM EXISTING EQUIPMENT.

**LEGEND OF UNDERGROUND  
AND OVERHEAD UTILITIES**

AERIAL CABLE	_____	A
ELECTRICAL	_____	E
TELEPHONE	_____	T
GAS	_____	G
SEWER	_____	S
WATER	_____	W
CABLE TV	_____	TV

**TRAFFIC CONCEPTS, INC.**

325 Gambrills Road  
Suite E  
Gambrills, MD 21054  
(410) 923-7101

**REVISIONS**

NO.	DESCRIPTION	DATE
1	ADDED EAST LEG PEDESTRIAN PHASE	11-20-04
2	MODIFICATION DUE TO DOUBLE LEFT TURN LANE CONSTRUCTION	11-20-04

**APPROVALS**

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY



**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
TRAFFIC SIGNALIZATION  
**MD 124 AT GOSHEN ROAD**

DRAWN BY: M.A.M.  
CHECKED BY: D.DODA  
SCALE: 1" = 20'  
DATE: 2-1-88

F.A.P. NO.  
S.H.A. NO.  
COUNTY: MONTGOMERY  
LOG MILE: 15522105.57

TS NO.  
2413B  
T.I.M.S. NO.  
G415

SHEET NO.  
1 OF 2